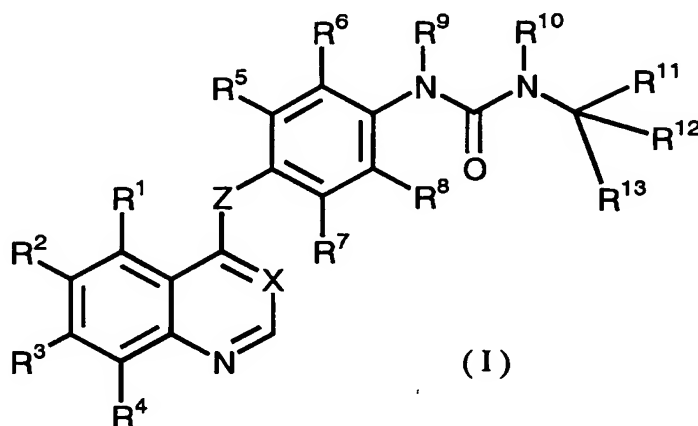


IN THE CLAIMS

Please amend the claims as follows:

Claim 1 (Original): A compound of formula (I) or a pharmaceutically acceptable salt or solvate thereof:



wherein

X represents CH or N;

Z represents O or S;

R<sup>1</sup>, R<sup>2</sup>, and R<sup>3</sup>, which may be the same or different, represent a hydrogen atom; a halogen atom; hydroxyl; cyano; C<sub>1-6</sub> alkyl; C<sub>1-6</sub> alkoxy; C<sub>2-6</sub> alkenyl; C<sub>2-6</sub> alkynyl; nitro; -NR<sup>106</sup>R<sup>107</sup> wherein R<sup>106</sup> and R<sup>107</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>108</sup> wherein R<sup>108</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>109</sup>R<sup>110</sup> wherein R<sup>109</sup> and R<sup>110</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl; -CONR<sup>111</sup>R<sup>112</sup> wherein R<sup>111</sup> and R<sup>112</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>113</sup> wherein R<sup>113</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>114</sup>R<sup>115</sup> wherein R<sup>114</sup> and R<sup>115</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl; or -COOR<sup>116</sup> wherein R<sup>116</sup> represents a hydrogen atom or C<sub>1-4</sub>

alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>117</sup> wherein R<sup>117</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>118</sup>R<sup>119</sup> wherein R<sup>118</sup> and R<sup>119</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the C<sub>1-6</sub> alkyl, C<sub>1-6</sub> alkoxy, C<sub>2-6</sub> alkenyl, and C<sub>2-6</sub> alkynyl groups are optionally substituted by a halogen atom; hydroxyl; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkoxy; C<sub>1-4</sub> alkoxycarbonyl; amino in which one or two hydrogen atoms on the amino group each are optionally substituted by C<sub>1-4</sub> alkyl optionally substituted by hydroxyl or C<sub>1-4</sub> alkoxy; group R<sup>15</sup>R<sup>16</sup>N-C(=O)-O- wherein R<sup>15</sup> and R<sup>16</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl or C<sub>1-4</sub> alkoxy; or group R<sup>17</sup>-(S)<sub>m</sub>- wherein R<sup>17</sup> represents a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group optionally substituted by a halogen atom or C<sub>1-4</sub> alkyl and m is 0 (zero) or 1,

R<sup>4</sup> represents a hydrogen atom,

R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup>, and R<sup>8</sup>, which may be the same or different, represent a hydrogen atom, a halogen atom, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino,

R<sup>9</sup> and R<sup>10</sup>, which may be the same or different, represent a hydrogen atom, C<sub>1-6</sub> alkyl, or C<sub>1-4</sub> alkylcarbonyl, and

any one of R<sup>11</sup> and R<sup>12</sup> represents a hydrogen atom while the other represents C<sub>1-4</sub> alkyl, and R<sup>13</sup> represents a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group or a saturated or unsaturated nine- to twelve-membered bicyclic carbocyclic group in which the carbocyclic and heterocyclic groups are optionally substituted by a halogen atom; hydroxyl; C<sub>1-4</sub> alkyl; C<sub>1-4</sub> alkoxy; C<sub>1-4</sub> alkylthio; trifluoromethyl; nitro; or -NR<sup>137</sup>R<sup>138</sup> wherein R<sup>137</sup> and R<sup>138</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>139</sup> wherein R<sup>139</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>140</sup>R<sup>141</sup> wherein R<sup>140</sup> and R<sup>141</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl, or

$R^{11}$  represents a hydrogen atom, and  $R^{12}$  and  $R^{13}$  may combine with a carbon atom attached thereto to form a saturated or unsaturated nine- to twelve-membered bicyclic carbocyclic group.

Claim 2 (Original): The compound according to claim 1, wherein X represents CH.

Claim 3 (Currently Amended): The compound according to claim 1-~~or 2~~, wherein Z represents O.

Claim 4 (Currently Amended): The compound according to ~~any one of claims 1 to 3~~, claim 1, wherein  $R^1$  and  $R^4$  represent a hydrogen atom.

Claim 5 (Currently Amended): The compound according to ~~any one of claims 1 to 4~~, claim 1, wherein  $R^9$  and  $R^{10}$  represent a hydrogen atom.

Claim 6 (Currently Amended): The compound according to ~~any one of claims 1 to 5~~, claim 1, wherein  $R^2$  and  $R^3$ , which may be the same or different, represent  $C_{1-6}$  alkoxy, said alkoxy group being optionally substituted by a halogen atom; hydroxyl;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkoxy;  $C_{1-4}$  alkoxycarbonyl; amino in which one or two hydrogen atoms on the amino group each are optionally substituted by  $C_{1-4}$  alkyl optionally substituted by hydroxyl or  $C_{1-4}$  alkoxy; or a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group.

Claim 7 (Currently Amended): The compound according to ~~any one of claims 1 to 6~~, claim 1, wherein at least one of  $R^5$ ,  $R^6$ ,  $R^7$  and  $R^8$  represents a halogen atom,  $C_{1-4}$  alkyl,  $C_1$ .

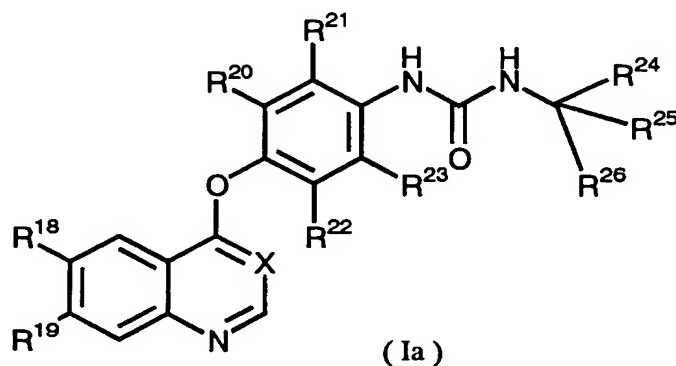
4 alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino, and the other(s) represents a hydrogen atom.

Claim 8 (Currently Amended): The compound according to ~~any one of claims 1 to 6~~, claim 1, wherein all of R<sup>5</sup>, R<sup>6</sup>, R<sup>7</sup> and R<sup>8</sup> represent a hydrogen atom.

Claim 9 (Currently Amended): The compound according to ~~any one of claims 1 to 8~~, claim 1, wherein any one of R<sup>11</sup> and R<sup>12</sup> represents a hydrogen atom and the other represents C<sub>1-4</sub> alkyl, and R<sup>13</sup> represents phenyl, naphthyl, imidazolyl, oxazolyl, thiazolyl, pyrazolyl, isoxazolyl, or isothiazolyl, said groups being optionally substituted by a halogen atom, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino in which one or two hydrogen atoms on the amino group each are optionally substituted by C<sub>1-4</sub> alkyl, or

R<sup>11</sup> represents a hydrogen atom, and R<sup>12</sup> and R<sup>13</sup> combine with a carbon atom attached thereto to form 1,2,3,4-tetrahydronaphthalene or indan.

Claim 10 (Original): The compound according to claim 1, represented by formula (Ia):



wherein

X represents CH or N,

$R^{18}$  and  $R^{19}$ , which may be the same or different, represent  $C_{1-6}$  alkoxy, said alkoxy group being optionally substituted by a halogen atom; hydroxyl;  $C_{1-4}$  alkyl;  $C_{1-4}$  alkoxy; amino in which one or two hydrogen atoms on the amino group each are optionally substituted by  $C_{1-4}$  alkyl optionally substituted by hydroxyl or  $C_{1-4}$  alkoxy; or a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group,

$R^{20}$ ,  $R^{21}$ ,  $R^{22}$ , and  $R^{23}$ , which may be the same or different, represent a hydrogen atom, a halogen atom,  $C_{1-4}$  alkyl,  $C_{1-4}$  alkoxy,  $C_{1-4}$  alkylthio, trifluoromethyl, nitro, or amino,

any one of  $R^{24}$  and  $R^{25}$  represents a hydrogen atom and the other represents  $C_{1-4}$  alkyl, and  $R^{26}$  represents phenyl, naphthyl, imidazolyl, oxazolyl, thiazolyl, pyrazolyl, isoxazolyl, or isothiazolyl, said groups being optionally substituted by a halogen atom,  $C_{1-4}$  alkyl,  $C_{1-4}$  alkoxy,  $C_{1-4}$  alkylthio, trifluoromethyl, nitro, or amino in which one or two hydrogen atoms on the amino group each are optionally substituted by  $C_{1-4}$  alkyl, or

$R^{24}$  represents a hydrogen atom, and  $R^{25}$  and  $R^{26}$  combine with a carbon atom attached thereto to form 1,2,3,4-tetrahydronaphthalene or indan.

Claim 11 (Original): The compound according to claim 10, wherein X represents CH.

Claim 12 (Currently Amended): The compound according to claim 10 or 11, wherein  $R^{18}$  and  $R^{19}$ , which may be the same or different, represent  $C_{1-6}$  alkoxy optionally substituted by a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group.

Claim 13 (Currently Amended): The compound according to ~~any one of claims 10 to 12~~, claim 10, wherein at least one of  $R^{20}$ ,  $R^{21}$ ,  $R^{22}$  and  $R^{23}$  represents a halogen atom,  $C_{1-4}$

alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino, and the other(s) represents a hydrogen atom.

Claim 14 (Currently Amended): The compound according to ~~any one of claims 10 to 12~~, claim 10, wherein R<sup>20</sup> and R<sup>21</sup>, which may be the same or different, represent a halogen atom, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino, and R<sup>22</sup> and R<sup>23</sup> represent a hydrogen atom.

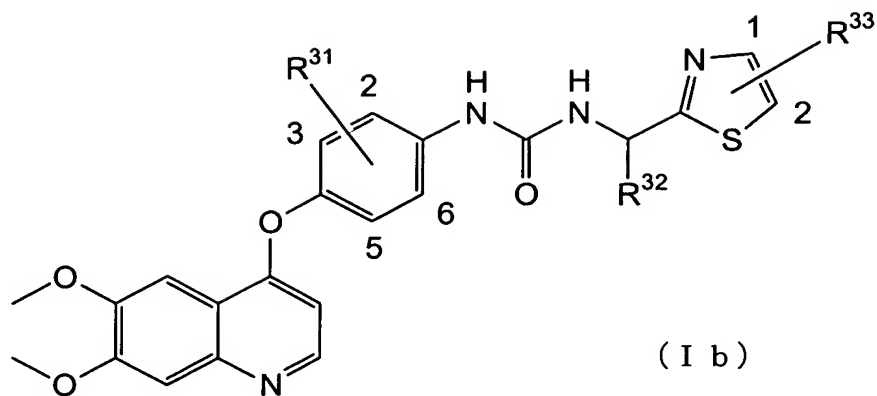
Claim 15 (Currently Amended): The compound according to ~~any one of claims 10 to 12~~, claim 10, wherein R<sup>21</sup> and R<sup>22</sup>, which may be the same or different, represent a halogen atom, C<sub>1-4</sub> alkyl, C<sub>1-4</sub> alkoxy, C<sub>1-4</sub> alkylthio, trifluoromethyl, nitro, or amino, and R<sup>20</sup> and R<sup>23</sup> represent a hydrogen atom.

Claim 16 (Currently Amended): The compound according to ~~any one of claims 10 to 12~~, claim 10, wherein all of R<sup>20</sup>, R<sup>21</sup>, R<sup>22</sup>, and R<sup>23</sup> represent a hydrogen atom.

Claim 17 (Currently Amended): The compound according to ~~any one of claims 10 to 16~~, claim 10, wherein R<sup>26</sup> represents thiazolyl.

Claim 18 (Currently Amended): The compound according to ~~any one of claims 10 to 16~~, claim 10, wherein R<sup>26</sup> represents 4-fluorophenyl.

Claim 19 (Original): The compound according to claim 1, represented by formula  
(Ib)



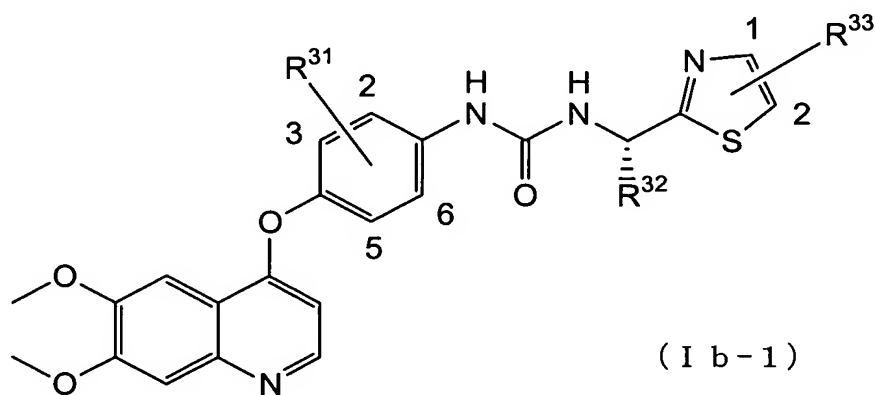
wherein

$R^{31}$  represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, methoxy at 2-position, methoxy at 3-position, or methyl at 2- and 5-positions,

$R^{32}$  represents methyl, and

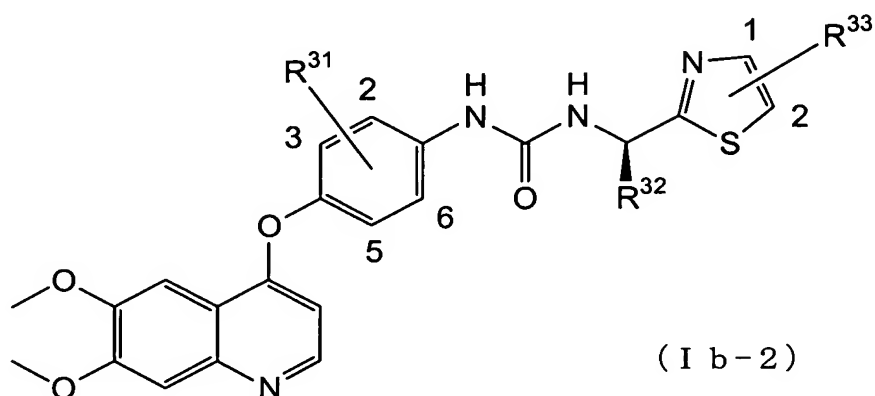
$R^{33}$  represents a hydrogen atom, methyl at 1-position, methyl at 2-position, or methyl at 1- and 2-positions.

Claim 20 (Original): The compound according to claim 19, wherein the compound represented by formula (Ib) is represented by formula (Ib-1)



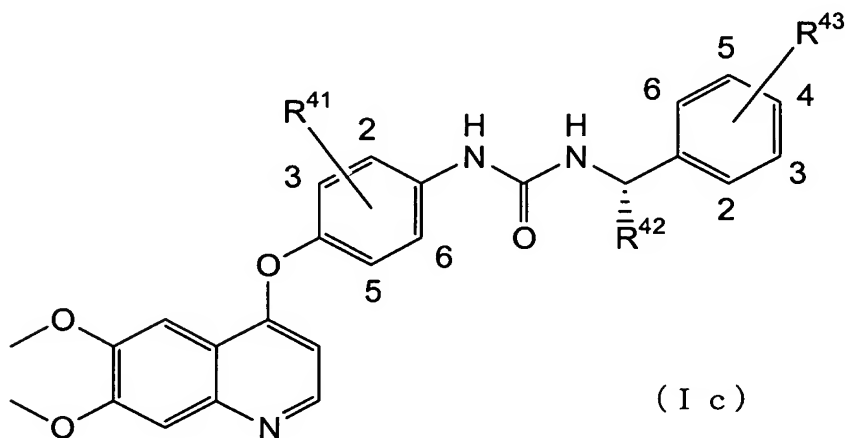
wherein  $R^{31}$ ,  $R^{32}$ , and  $R^{33}$  are as defined in formula (Ib).

Claim 21 (Original): The compound according to claim 19, wherein the compound represented by formula (Ib) is represented by formula (1b-2)



wherein  $R^{31}$ ,  $R^{32}$ , and  $R^{33}$  are as defined in formula (Ib).

Claim 22 (Original): The compound according to claim 1, represented by formula (Ic)



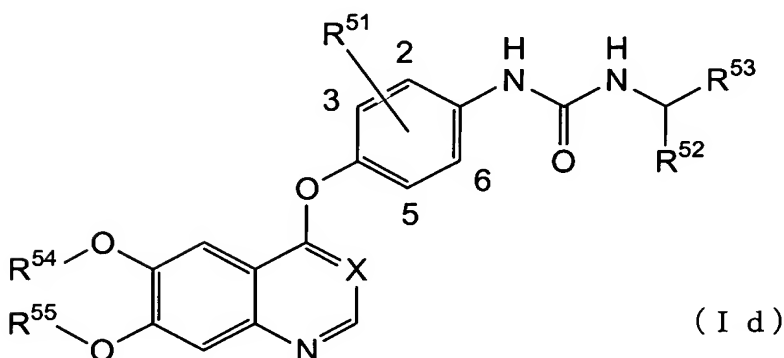
wherein

$R^{41}$  represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, a chlorine atom at 2-position, a chlorine atom at 3-position, methyl at 2- and 3-positions, methyl at 2- and 5-positions, methoxy at 2-position, methoxy at 3-position, methyl at 2-position, or trifluoromethyl at 2-position,

$R^{42}$  represents methyl,

$R^{43}$  represents a fluorine atom at 4-position, a bromine atom at 3-position, a bromine atom at 4-position, methoxy at 2-position, methoxy at 3-position, methoxy at 4-position, a chlorine atom at 4-position, methyl at 4-position, or nitro at 4-position.

Claim 23 (Original): The compound according to claim 1, represented by formula (Id)



wherein

X represents CH or N,

$R^{51}$  represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, methoxy at 2-position, methoxy at 3-position, or methyl at 2- and 5-positions,

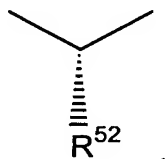
$R^{52}$  represents methyl,

$R^{53}$  represents imidazolyl, pyrazolyl, oxazolyl, isoxazolyl, thiazolyl, or isothiazolyl in which one or two hydrogen atoms on the groups are optionally substituted by a halogen atom or  $C_{1-4}$  alkyl, and

$R^{54}$  and  $R^{55}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-6}$  alkyl in which the alkyl group is optionally substituted by hydroxyl; a halogen atom;  $-OR^{56}$  wherein  $R^{56}$  represents  $C_{1-4}$  alkyl;  $-NR^{57}R^{58}$  wherein  $R^{57}$  and  $R^{58}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl in which the alkyl group is optionally substituted by hydroxyl or  $-OR^{59}$  wherein  $R^{59}$  represents  $C_{1-4}$  alkyl; or a saturated or

unsaturated three- to seven-membered carbocyclic or heterocyclic group in which the carbocyclic and heterocyclic groups are optionally substituted by one or two halogen atoms or C<sub>1-4</sub> alkyl.

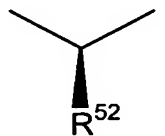
Claim 24 (Original): The compound according to claim 23, wherein X represents CH, and R<sup>52</sup> represents



Claim 25 (Original): The compound according to claim 24, wherein R<sup>54</sup> and R<sup>55</sup> represent methyl.

Claim 26 (Original): The compound according to claim 24, wherein R<sup>54</sup> represents methyl, and R<sup>55</sup> represents C<sub>1-4</sub> alkyl substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

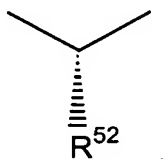
Claim 27 (Original): The compound according to claim 23, wherein X represents CH, and R<sup>52</sup> represents



Claim 28 (Original): The compound according to claim 27, wherein R<sup>54</sup> and R<sup>55</sup> represent methyl.

Claim 29 (Original): The compound according to claim 27, wherein  $R^{54}$  represents methyl, and  $R^{55}$  represents  $C_{1-4}$  alkyl substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

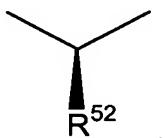
Claim 30 (Original): The compound according to claim 23, wherein X represents N, and  $R^{52}$  represents



Claim 31 (Original): The compound according to claim 30, wherein  $R^{54}$  and  $R^{55}$  represent methyl.

Claim 32 (Original): The compound according to claim 30, wherein  $R^{54}$  represents methyl, and  $R^{55}$  represents  $C_{1-4}$  alkyl substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

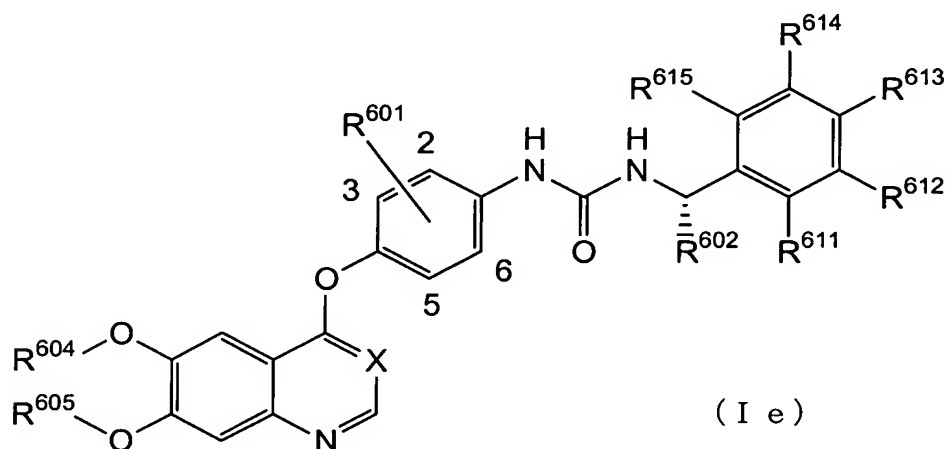
Claim 33 (Original): The compound according to claim 23, wherein X represents N, and  $R^{52}$  represents



Claim 34 (Original): The compound according to claim 33, wherein  $R^{54}$  and  $R^{55}$  represent methyl.

Claim 35 (Original): The compound according to claim 33, wherein R<sup>54</sup> represents methyl, and R<sup>55</sup> represents C<sub>1-4</sub> alkyl substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 36 (Original): The compound according to claim 1, represented by formula (Ie)



wherein

R<sup>601</sup> represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, a chlorine atom at 2-position, a chlorine atom at 3-position, methyl at 2- and 3-positions, methyl at 2- and 5-positions, methoxy at 2-position, methoxy at 3-position, methyl at 2-position, or trifluoromethyl at 2-position,

R<sup>602</sup> represents methyl,

X represents N or CH,

R<sup>604</sup> and R<sup>605</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-6</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl; a halogen atom; -OR<sup>606</sup> wherein R<sup>606</sup> represents C<sub>1-4</sub> alkyl; -NR<sup>607</sup>R<sup>608</sup> wherein R<sup>607</sup> and R<sup>608</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl or -OR<sup>609</sup> wherein R<sup>609</sup> represents C<sub>1-4</sub> alkyl; or a saturated or

unsaturated three- to seven-membered carbocyclic or heterocyclic group in which the carbocyclic and heterocyclic groups are optionally substituted by one or two halogen atoms or C<sub>1-4</sub> alkyl, and

R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup>, which may be the same or different, represent a hydrogen atom; C<sub>1-6</sub> alkyl; -OR<sup>616</sup> wherein R<sup>616</sup> represents C<sub>1-4</sub> alkyl; a halogen atom; nitro; or -NR<sup>617</sup>R<sup>618</sup> wherein R<sup>617</sup> and R<sup>618</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>619</sup> wherein R<sup>619</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>620</sup>R<sup>621</sup> wherein R<sup>620</sup> and R<sup>621</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl.

Claim 37 (Original): The compound according to claim 36, wherein X represents CH and all of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or any one of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represents a group other than a hydrogen atom and the remaining groups represent a hydrogen atom.

Claim 38 (Original): The compound according to claim 37, wherein all of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or any one of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represents C<sub>1-6</sub> alkyl, -OR<sup>616</sup>, a halogen atom, or nitro and the remaining groups represent a hydrogen atom.

Claim 39 (Original): The compound according to claim 38, wherein R<sup>611</sup> represents methoxy and R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or R<sup>612</sup> represents a bromine atom or methoxy and R<sup>611</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or R<sup>613</sup> represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and R<sup>611</sup>, R<sup>612</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom.

Claim 40 (Currently Amended): The compound according to claim 37, ~~38, or 39,~~  
wherein R<sup>604</sup> and R<sup>605</sup> represent methyl.

Claim 41 (Currently Amended): The compound according to claim 37, ~~38, or 39,~~  
wherein R<sup>604</sup> represents methyl and R<sup>605</sup> represents C<sub>1-4</sub> alkyl substituted by a saturated or  
unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 42 (Original): The compound according to claim 36, wherein X represents N  
and all of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or any one of R<sup>611</sup>, R<sup>612</sup>,  
R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represents a group other than a hydrogen atom and the remaining groups  
represent a hydrogen atom.

Claim 43 (Original): The compound according to claim 42, wherein all of R<sup>611</sup>,  
R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or any one of R<sup>611</sup>, R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and  
R<sup>615</sup> represents C<sub>1-6</sub> alkyl, -OR<sup>616</sup>, a halogen atom, or nitro and the remaining groups  
represent a hydrogen atom.

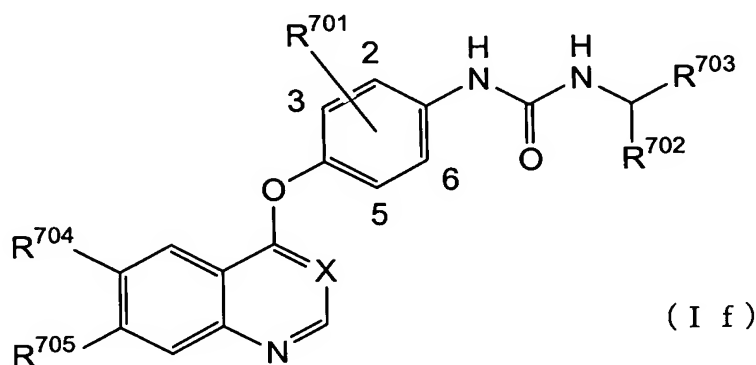
Claim 44 (Original): The compound according to claim 43, wherein R<sup>611</sup> represents  
methoxy and R<sup>612</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or R<sup>612</sup> represents a  
bromine atom or methoxy and R<sup>611</sup>, R<sup>613</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom, or R<sup>613</sup>  
represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and  
R<sup>611</sup>, R<sup>612</sup>, R<sup>614</sup>, and R<sup>615</sup> represent a hydrogen atom.

Claim 45 (Currently Amended): The compound according to claim 42, ~~43, or 44~~, wherein  $R^{604}$  and  $R^{605}$  represent methyl.

Claim 46 (Currently Amended): The compound according to claim 42, ~~43, or 44~~, wherein  $R^{604}$  represents methyl and  $R^{605}$  represents  $C_{1-4}$  alkyl substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 47 (Original): The compound according to claim 1, represented by formula

(If)



wherein

X represents CH or N,

$R^{701}$  represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, methoxy at 2-position, methoxy at 3-position, or methyl at 2- and 5-positions,

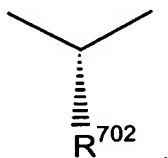
$R^{702}$  represents  $C_{1-4}$  alkyl,

$R^{703}$  represents imidazolyl, pyrazolyl, oxazolyl, isoxazolyl, thiazolyl, or isothiazolyl

in which one or two hydrogen atoms on the groups are optionally substituted by a halogen atom or  $C_{1-4}$  alkyl, and

$R^{704}$  and  $R^{705}$ , which may be the same or different, represent a hydrogen atom; hydroxyl; nitro; cyano; a halogen atom;  $-NR^{706}R^{707}$  wherein  $R^{706}$  and  $R^{707}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl in which the alkyl group is optionally substituted by hydroxyl,  $-OR^{708}$  wherein  $R^{708}$  represents  $C_{1-4}$  alkyl, or  $-NR^{709}R^{710}$  wherein  $R^{709}$  and  $R^{710}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl;  $—CONR^{711}R^{712}$  wherein  $R^{711}$  and  $R^{712}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl in which the alkyl group is optionally substituted by hydroxyl,  $-OR^{713}$  wherein  $R^{713}$  represents  $C_{1-4}$  alkyl, or  $-NR^{714}R^{715}$  wherein  $R^{714}$  and  $R^{715}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl;  $—COOR^{716}$  wherein  $R^{716}$  represents a hydrogen atom or  $C_{1-4}$  alkyl in which the alkyl group is optionally substituted by hydroxyl,  $-OR^{717}$  wherein  $R^{717}$  represents  $C_{1-4}$  alkyl, or  $-NR^{718}R^{719}$  wherein  $R^{718}$  and  $R^{719}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl;  $C_{1-6}$  alkyl;  $C_{2-6}$  alkenyl;  $C_{2-6}$  alkynyl; or  $C_{1-6}$  alkoxy, in which the alkyl, alkenyl, alkynyl, and alkoxy groups are optionally substituted by hydroxyl, a halogen atom,  $-OR^{720}$  in which  $R^{720}$  represents  $C_{1-4}$  alkyl,  $-NR^{721}R^{722}$  wherein  $R^{721}$  and  $R^{722}$ , which may be the same or different, represent a hydrogen atom or  $C_{1-4}$  alkyl in which the alkyl group is optionally substituted by hydroxyl or  $-OR^{723}$  wherein  $R^{723}$  represents  $C_{1-4}$  alkyl, or a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group in which the carbocyclic and heterocyclic groups are optionally substituted by one or two halogen atoms or  $C_{1-4}$  alkyl.

Claim 48 (Original): The compound according to claim 47, wherein X represents CH, and  $R^{702}$  represents

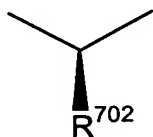


Claim 49 (Original): The compound according to claim 48, wherein R<sup>702</sup> represents methyl.

Claim 50 (Currently Amended): The compound according to claim 48 ~~or 49~~, wherein R<sup>704</sup> and R<sup>705</sup> represent methoxy.

Claim 51 (Currently Amended): The compound according to claim 48 ~~or 49~~, wherein R<sup>704</sup> represents methoxy, and R<sup>705</sup> represents C<sub>1-4</sub> alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 52 (Original): The compound according to claim 47, wherein X represents CH, and R<sup>702</sup> represents

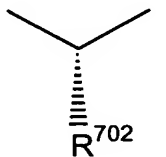


Claim 53 (Original): The compound according to claim 52, wherein R<sup>702</sup> represents methyl.

Claim 54 (Currently Amended): The compound according to claim 52 ~~or 53~~, wherein R<sup>704</sup> and R<sup>705</sup> represent methoxy.

Claim 55 (Currently Amended): The compound according to claim 52 ~~or 53~~, wherein R<sup>704</sup> represents methoxy, and R<sup>705</sup> represents C<sub>1-4</sub> alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 56 (Original): The compound according to claim 47, wherein X represents N, and R<sup>702</sup> represents

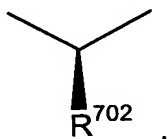


Claim 57 (Original): The compound according to claim 56, wherein R<sup>702</sup> represents methyl.

Claim 58 (Currently Amended): The compound according to claim 56 ~~or 57~~, wherein R<sup>704</sup> and R<sup>705</sup> represent methoxy.

Claim 59 (Currently Amended): The compound according to claim 56 ~~or 57~~, wherein R<sup>704</sup> represents methoxy, R<sup>705</sup> represents C<sub>1-4</sub> alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 60 (Original): The compound according to claim 47, wherein X represents N, and R<sup>702</sup> represents

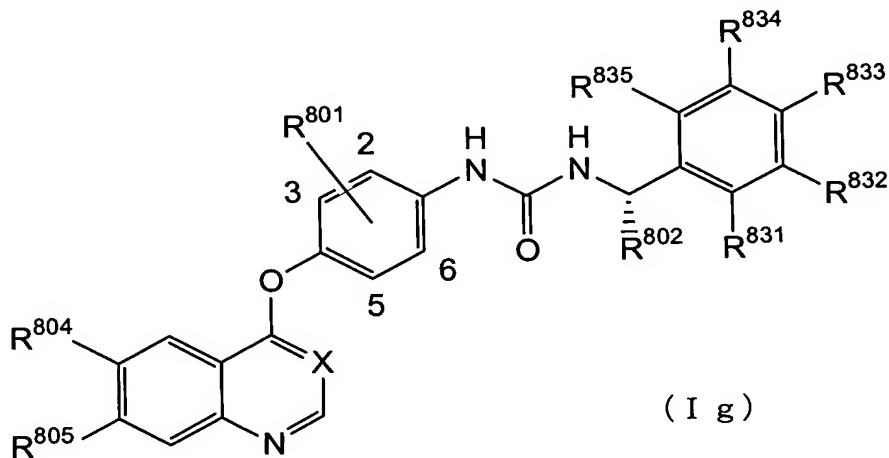


Claim 61 (Original): The compound according to claim 60, wherein R<sup>702</sup> represents methyl.

Claim 62 (Currently Amended): The compound according to claim 60-~~or 61~~,  
wherein R<sup>704</sup> and R<sup>705</sup> represent methoxy.

Claim 63 (Currently Amended): The compound according to claim 60-~~or 61~~,  
wherein R<sup>704</sup> represents methoxy, and R<sup>705</sup> represents C<sub>1-4</sub> alkoxy substituted by a saturated or  
unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 64 (Original): The compound according to claim 1, represented by formula  
(Ig)



wherein

X represents CH or N,

R<sup>801</sup> represents a hydrogen atom, a fluorine atom at 2-position, a fluorine atom at 3-position, a chlorine atom at 2-position, a chlorine atom at 3-position, methyl at 2- and 3-positions, methyl at 2- and 5-positions, methoxy at 2-position, methoxy at 3-position, methyl at 2-position, or trifluoromethyl at 2-position,

R<sup>802</sup> represents C<sub>1-4</sub> alkyl,

R<sup>804</sup> and R<sup>805</sup>, which may be the same or different, represent a hydrogen atom;

hydroxyl; nitro; cyano; a halogen atom; -NR<sup>806</sup>R<sup>807</sup> wherein R<sup>806</sup> and R<sup>807</sup>, which may be the

same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>808</sup> wherein R<sup>808</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>809</sup>R<sup>810</sup> wherein R<sup>809</sup> and R<sup>810</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl; —CONR<sup>811</sup>R<sup>812</sup> wherein R<sup>811</sup> and R<sup>812</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>813</sup> wherein R<sup>813</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>814</sup>R<sup>815</sup> wherein R<sup>814</sup> and R<sup>815</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl; —COOR<sup>816</sup> wherein R<sup>816</sup> represents a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>817</sup> wherein R<sup>817</sup> represents C<sub>1-4</sub> alkyl, or —NR<sup>818</sup>R<sup>819</sup> wherein R<sup>818</sup> and R<sup>819</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl; C<sub>1-6</sub> alkyl; C<sub>2-6</sub> alkenyl; C<sub>2-6</sub> alkynyl; or C<sub>1-6</sub> alkoxy, in which the alkyl, alkenyl, alkynyl, and alkoxy groups are optionally substituted by hydroxyl, a halogen atom, -OR<sup>820</sup> in which R<sup>820</sup> represents C<sub>1-4</sub> alkyl, -NR<sup>821</sup>R<sup>822</sup> wherein R<sup>821</sup> and R<sup>822</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl or -OR<sup>823</sup> wherein R<sup>823</sup> represents C<sub>1-4</sub> alkyl, or a saturated or unsaturated three- to seven-membered carbocyclic or heterocyclic group in which the carbocyclic and heterocyclic groups are optionally substituted by one or two halogen atoms or C<sub>1-4</sub> alkyl, and

R<sup>831</sup>, R<sup>832</sup>, R<sup>833</sup>, R<sup>834</sup>, and R<sup>835</sup>, which may be the same or different, represent a hydrogen atom; hydroxyl; C<sub>1-6</sub> alkyl; -OR<sup>836</sup> wherein R<sup>836</sup> represents C<sub>1-4</sub> alkyl; a halogen atom; nitro; or -NR<sup>837</sup>R<sup>838</sup> wherein R<sup>837</sup> and R<sup>838</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl in which the alkyl group is optionally substituted by hydroxyl, -OR<sup>839</sup> wherein R<sup>839</sup> represents C<sub>1-4</sub> alkyl, or -NR<sup>840</sup>R<sup>841</sup> wherein R<sup>840</sup> and R<sup>841</sup>, which may be the same or different, represent a hydrogen atom or C<sub>1-4</sub> alkyl.

Claim 65 (Original): The compound according to claim 64, wherein X represents CH and all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents a group other than a hydrogen atom and the remaining groups represent a hydrogen atom.

Claim 66 (Original): The compound according to claim 65, wherein all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents  $C_{1-6}$  alkyl,  $-OR^{836}$ , a halogen atom, or nitro and the remaining groups represent a hydrogen atom.

Claim 67 (Original): The compound according to claim 65, wherein  $R^{831}$  represents methoxy and  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{832}$  represents a bromine atom or methoxy and  $R^{831}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{833}$  represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and  $R^{831}$ ,  $R^{832}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom.

Claim 68 (Currently Amended): The compound according to claim 65, ~~66, or 67~~, wherein  $R^{804}$  and  $R^{805}$  represent methoxy.

Claim 69 (Currently Amended): The compound according to claim 65, ~~66, or 67~~, wherein  $R^{804}$  represents methoxy and  $R^{805}$  represents  $C_{1-4}$  alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 70 (Original): The compound according to claim 64, wherein X represents CH,  $R^{802}$  represents methyl, and all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen

atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents a group other than a hydrogen atom and the remaining groups represent a hydrogen atom.

Claim 71 (Original): The compound according to claim 70, wherein all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents  $C_{1-6}$  alkyl,  $-OR^{836}$ , a halogen atom, or nitro and the remaining groups represent a hydrogen atom.

Claim 72 (Original): The compound according to claim 70, wherein  $R^{831}$  represents methoxy and  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{832}$  represents a bromine atom or methoxy and  $R^{831}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{833}$  represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and  $R^{831}$ ,  $R^{832}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom.

Claim 73 (Currently Amended): The compound according to claim 70, ~~71, or 72,~~ wherein  $R^{804}$  and  $R^{805}$  represent methoxy.

Claim 74 (Currently Amended): The compound according to claim 70, ~~71, or 72,~~ wherein  $R^{804}$  represents methoxy and  $R^{805}$  represents  $C_{1-4}$  alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 75 (Original): The compound according to claim 64, wherein X represents N and all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents a group other than a hydrogen atom and the remaining groups represent a hydrogen atom.

Claim 76 (Original): The compound according to claim 75, wherein all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents  $C_{1-6}$  alkyl,  $-OR^{836}$ , a halogen atom, or nitro and the remaining groups represent a hydrogen atom.

Claim 77 (Original): The compound according to claim 75, wherein  $R^{831}$  represents methoxy and  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{832}$  represents a bromine atom or methoxy and  $R^{831}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{833}$  represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and  $R^{831}$ ,  $R^{832}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom.

Claim 78 (Currently Amended): The compound according to claim 75, ~~76, or 77,~~ wherein  $R^{804}$  and  $R^{805}$  represent methoxy.

Claim 79 (Currently Amended): The compound according to claim 75, ~~76, or 77,~~ wherein  $R^{804}$  represents methoxy and  $R^{805}$  represents  $C_{1-4}$  alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 80 (Original): The compound according to claim 64, wherein X represents N,  $R^{802}$  represents methyl, and all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents a group other than a hydrogen atom and the remaining groups represent a hydrogen atom.

Claim 81 (Original): The compound according to claim 80, wherein all of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or any one of  $R^{831}$ ,  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represents  $C_{1-6}$  alkyl,  $-OR^{836}$ , a halogen atom, or nitro and the remaining groups represent a hydrogen atom.

Claim 82 (Original): The compound according to claim 80, wherein  $R^{831}$  represents methoxy and  $R^{832}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{832}$  represents a bromine atom or methoxy and  $R^{831}$ ,  $R^{833}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom, or  $R^{833}$  represents a bromine atom, a chlorine atom, a fluorine atom, methyl, methoxy, or nitro and  $R^{831}$ ,  $R^{832}$ ,  $R^{834}$ , and  $R^{835}$  represent a hydrogen atom.

Claim 83 (Currently Amended): The compound according to claim 80, ~~81, or 82,~~ wherein  $R^{804}$  and  $R^{805}$  represent methoxy.

Claim 84 (Currently Amended): The compound according to claim 80, ~~81, or 82,~~ wherein  $R^{804}$  represents methoxy and  $R^{805}$  represents  $C_{1-4}$  alkoxy substituted by a saturated or unsaturated five- or six-membered carbocyclic or heterocyclic group.

Claim 85 (Original): The compound according to claim 1, which is a compound selected from a group of the following compounds, or a pharmaceutically acceptable salt or solvate thereof:

(17) N-{4-[(6,7-dimethoxy-4-quinolyl)oxy]-2-methoxyphenyl}-N'-[(1S)-1-(4-fluorophenyl)ethyl]urea;

(74) N-{4-[(6,7-dimethoxy-4-quinolyl)oxy]-2-methoxyphenyl}-N'-[1-(1,3-thiazol-2-yl)ethyl]urea;

(75) N-{4-[(6,7-dimethoxy-4-quinolyl)oxy]-2-methoxyphenyl}-N'-[(1S)-1-(1,3-thiazol-2-yl)ethyl]urea; and

(76) N-{4-[(6,7-dimethoxy-4-quinolyl)oxy]-2-methoxyphenyl}-N'-[(1R)-1-(1,3-thiazol-2-yl)ethyl]urea.

Claim 86 (Currently Amended): A pharmaceutical composition comprising a compound according to ~~any one of claims 1 to 85~~ claim 1 or a pharmaceutically acceptable salt or solvate thereof as an active ingredient.

Claims 87-90 (Canceled).

Claim 91 (Currently Amended): A method for treating and preventing a disease for which the inhibition of macrophage colony-stimulating factor receptor autophosphorylation is effective therapeutically, said method comprising the step of administering a therapeutically or prophylactically effective amount of a compound according to ~~any one of claims 1 to 85~~ claim 1 or a pharmaceutically acceptable salt or solvate thereof to a mammal.

Claim 92 (Original): The method for treating and preventing according to claim 91, wherein the disease for which the inhibition of macrophage colony-stimulating factor receptor autophosphorylation is effective therapeutically is bone metastasis of malignant tumors including breast cancer, prostatic cancer, and lung cancer; multiple myeloma; osteoporosis; Behcet's disease; or rheumatoid arthritis.